

ABSTRACT OF THE DISCLOSURE

In a system having a plurality of bus masters, system and method for enhancing data bus utilization are disclosed.

- 5 This system comprises: a data bus connected to a peripheral apparatus and composed of a plurality of unit data buses each capable of carrying out data transfer independently; a plurality of bus masters each for sending a request signal requesting a use of the data bus in unit data buses, and using
- 10 the data bus in unit data buses requested when a request by means of the request signal is granted; and a bus controller for giving a grant signal which grants the use of the data bus in unit data buses requested in unit data buses to the bus masters in accordance with an availability of the data
- 15 bus in unit data buses, thereby split-controlling the data bus in unit data buses for the plurality of bus masters.

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